

Jay M. Short

Attorney Docket No.: DIVER1380-1

Application No.: 09/529,458

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Page 2

At page 12, line 16, please replace "Potential pathways" with --Potential gene pathways--.

At page 16, line 10, after "hyperthermophiles," please insert --thermophiles.--.

At page 24, line 8, please delete "(11, 12)".

At page 24, line 21, please delete "(Figure 1)".

At page 24, line 26, please delete "(14)".

At page 24, line 27, please delete "(15)".

At page 39, line 22, please replace "Filed" with --filed--.

At page 45, line 8, please replace "30ml" with --30 milliliters (ml)--.

At page 45, line 16, please replace "25mg" with --25 milligrams (mg)--.

At page 46, line 8, after "70", please insert --μ--.

At page 46, line 9, after "70", please insert --μ--.

At page 47, line 16, after "10", please insert --μ--.

At page 47, line 18, after "1" please insert --μ--.

At page 47, line 23, after "8" please insert --μ--.

At page 47, line 23, after "10" please insert --μ--.

At page 47, line 24, after "35" please insert --μ--.

At page 47, line 25, after "5" please insert --μ--.

At page 47, line 26, after "2" please insert --μ--.

At page 48, line 4, after "5" please insert --μ--.

At page 48, line 9, after "15" please insert --μ--.

At page 49, line 3, please replace "50ng" with --50 nanograms (ng)--.

At page 49, line 5, after "10" please insert --μ--.

At page 49, line 22, after "10" please insert --μ--.

At page 49, line 24, after "0.22" please insert --μ--.

At page 50, line 11, after "plug" please insert --seventy-two microliters--.

At page 50, line 16, after "250" please insert --μ--.

At page 50, line 25, after "2.5 ng/" please insert --μ--.

At page 51, line 2, please replace "high" with --High--.

At page 51, line 8, please replace " 5.4×10^5 " with -- 5.4×10^4 --.

At page 51, line 16, after "15" please insert --μ--.

At page 52, line 6, after "0.2" please insert --μ--.

At page 53, line 12, please delete "{(27, }28)".

At page 54, line 2, after "1" please insert --μ--.

At page 54, line 3, after "5" please insert μ--.

At page 54, line 3, after "50ng/" please insert --μ--.

At page 54, line 4, after "1" please insert --μ--.

At page 54, line 5, after "1" please insert --μ--.

At page 54, line 6, after "5" please insert --μ--.

At page 54, line 7, after "30" please insert --μ--.

At page 54, line 24, please delete "(29)".

At page 54, line 26, please delete "(30)".

At page 55, line 18, please delete "(31)".